TP R 15HD A

TP - Twisted Pair Receiver for RGBHV and Audio

FEATURES

- **Input: One female RJ-45 connector**
- **Outputs: Female 15-pin HD connector; balanced or unbalanced stereo audio on captive screw connector**
- **Receives computer video and stereo audio 600 feet (185 meters) or more over CAT 5, 5e, or 6 UTP cable**
- **DDSP™ - Digital Display Sync Processing**
- **Two-channel stereo audio output**
- **Separate variable level and peaking controls**
- **LED power indicator on front panel**
- **Rack, under-desk and projector-mountable**
- **External universal power supply included,** part # 70-057-01 — Provides worldwide power compatibility.

Note: The TP R 15HD A does not support remote power. It must be powered using the included external power supply.

DESCRIPTION

The Extron **TP R 15HD A** twisted pair video receiver accepts long distance transmissions of computer-video, component video, S-video, or composite video with stereo audio on any CAT 5, 5e, or 6 twisted pair cable or on Extron Enhanced Skew-Free™ A/V UTP cable, from a compatible Extron TP Series transmitter.

Special image enhancement features, such as manual level and peaking adjustments, give the TP R 15HD A the ability to enrich the brightness and sharpness of the video image.

SPECIFICATIONS

VIDEO

Number / Signal type	1 set of proprietary analog signals
Connectors	1 shielded RJ-45 female

VIDEO INPUT

REFER TO THE TP TRANSMITTERS FAMILY MANUAL, PART #68-546-02

VIDEO OUTPUT

Number / Signal type	1 analog RGBHV, RGBS, RGsB, component video, or S-video; or 1 S-video and 1 NTSC/PAL/SECAM composite video from a single source; or 3 NTSC/PAL composite video from a single source
Connectors	(1) 15-pin HD female
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB and for R-Y and B-Y of component video 0.3 Vp-p for C of S-video
Minimum / Maximum levels	0.3 V to 1.45 Vp-p
Impedance	75 ohms

AUDIO

Number / Signal type	1 set of analog proprietary signals
Connectors	1 shielded RJ-45 female
Frequency response	20 Hz to 20 kHz, >±0.05 dB
THD + Noise	0.03% @ 1 kHz, 0.3% @ 20 kHz at maximum output (unweighted)
S/N	>63 dB at nominal level
Crosstalk	<-80 dB @ 1 kHz, fully loaded
Stereo channel separation	>80 dB @ 1 kHz
CMRR	>33 dB @ 20 Hz to 20 kHz

AUDIO INPUT

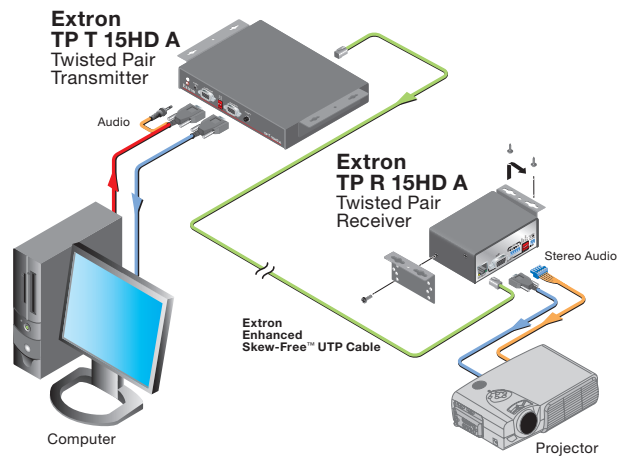
REFER TO THE TP TRANSMITTERS FAMILY MANUAL, PART #68-546-02

AUDIO OUTPUT

Number / Signal type	1 stereo audio balanced/unbalanced
Connectors	(1) 3.5 mm, 5-pole captive screw connector per input
Impedance	50 ohms unbalanced, 100 ohms balanced
Maximum level (600 ohm)	>+11.5 dBm, balanced at 1% THD+N

GENERAL

External power supply	100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 15 VDC, 0.8 A, regulated
Power input requirements	15 VDC, 0.34 A (maximum)
Rack mount	Yes, with optional VersaTools 1U rack shelf, part #60-190-20 or optional standard 1U rack shelf, part #60-190-01. Also, projector mountable with optional mounting kit, part #70-217-01 or under-furniture mountable with optional mounting brackets, part #70-212-01.
Enclosure type	Metal
Enclosure dimensions	1.6" H x 4.25" W x 3.0" D (1U high, quarter rack wide) 4.1 cm H x 10.8 cm W x 7.6 cm D (Depth excludes connectors.)
Product / Shipping weight	0.4 lbs (0.2 kg) / 2 lbs (1 kg)



MODEL

MODEL	VERSION DESCRIPTION	PART #
TP R 15HD A	RGBHV & Audio Receiver - 15HD	60-450-01

COMPATIBLE TRANSMITTERS	MODEL DESCRIPTION	PAGE	PART #
TP T 15HD A	TP - Twisted Pair Transmitter for RGBHV and Audio	page 97	60-345-02
TP T 15HD AV	TP - Twisted Pair Transmitter for RGBHV, Composite Video, and Audio	page 100	60-346-03
TP T 15HD 45	TP - Twisted Pair Transmitter for RGBHV - 45 mm Mount Version	page 98	60-654-01
TP T A 45	TP - Twisted Pair Transmitter for Stereo Audio - 45 mm Mount Version	page 98	70-368-01

INCLUDED ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
EPS 1508 B	Extron Desktop Power Supply - 15VDC, 800mA, wire	page 694	70-057-01

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